

(PCT Article 36 and Rule 70)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/004590

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1, 2, 4, 4/1, 5, 6, 7 as originally filed/furnished
- pages* 3 received by this Authority on 13.10.2004
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. 2-5 as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1 received by this Authority on 13.10.2004
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets 1-4 as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☒ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☒ the description, pages 4, 4/1, 5, 5/1
- ☒ the claims, nos. 4
- ☒ the drawings, sheets/figs 5
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-5	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-5	NO
Industrial applicability (IA)	Claims	1-5	YES
	Claims		NO
2. Citations and explanations (Rule 70.7)			
<p>Document 1: JP 2000-249768 A (Hamamatsu Photonics Kabushiki Kaisha), 14 September 2000, paragraph [0046] and [0047]; fig. 1 to 14</p> <p>Document 2: Hamamatsu Photonics K.K., Microchannel Plate Photomultiplier Tube (MCP-PMTs) R3809U-50 Series, 2002</p>			
<p><u>Claims 1 to 5</u></p> <p>Document 1 sets forth a gamma ray detector wherein a CsBr crystal having an atomic ratio of Cs to Br of 1:1 as a scintillator, and a photomultiplier tube is used to receive light from the scintillator.</p> <p>In addition, document 2 sets forth a photomultiplier tube built into a MCP.</p> <p>It would be obvious to a person skilled in the art to employ the photomultiplier tube set forth in document 2 as the photomultiplier tube set forth in document 1.</p> <p>Therefore the invention set forth in claims 1 to 5 does not involve an inventive step in the light of documents 1 and 2.</p>			